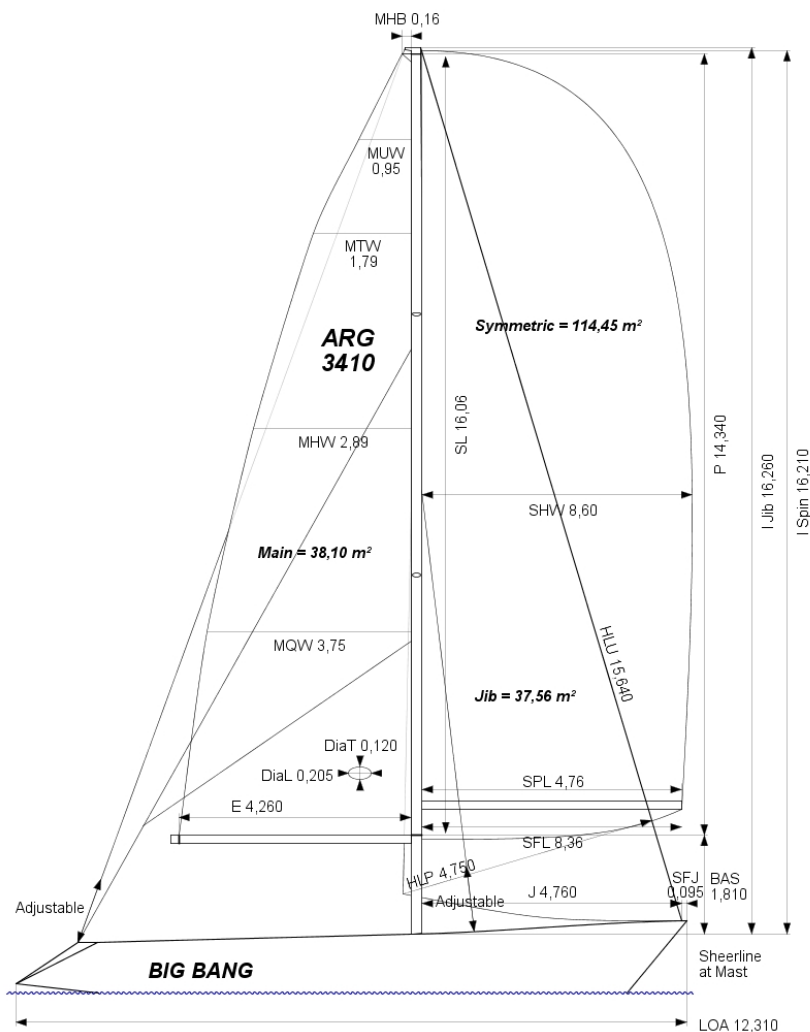




World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

**PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A**



Certificate

Number **341011**
Issued On **12/01/2017**
ORC Ref **ARG00004032**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared **360kg**
Default* **696kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **660,9 0,9079**
Non Spin OSN **641,2 0,9358**

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 114,45**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9,334

Stability (Estimated)

Limit Positive Stab.: **111,2°**
Stability Index: **113,3**

Owner

OMAR LAUDA

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT		GPH	HULL	
Name	BIG BANG	624,6	Data File	2BIGBANG
Sail Nr	ARG-3410		LOA	12,310m
CLASS			Offset File	BIGBANG.OFF
Class	F&C 40		Displacement	7.185kg
Designer	GERMAN FRERS		Dynamic All.	0,212%
Builder	AST. F&C		Fwd Accom.	Yes
Series	11/1986		Fiber Rigging	No
Age Date	11/1986		Crew Arm Ex	No
Age Allowance	0,487%		Carbon Rudder	No
COMMENTS			Light Stanchions	
YCA			IMSL	10,195m
PROPELLER			VCGD	-0,017m
Installation	Shaft exposed	PRD	Sink	20,90kg/mm
Type	Folding 2 blades	PBW	RL	8,472m
		PIPA	VCGM	0,053m
			WS	28,85m²
			LSM0	10,074m
			Displacement/Length ratio	7,0278
			Water Ballast	0
			Trim Tab	No
			CENTERBOARD	
			N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	606,2			676,1		
Time On Time	0,9898			0,9984		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	720,0	552,0	490,8	930,8	681,9	584,2
Time on Time	0,9375	1,2229	1,3753	0,7252	0,9899	1,1554



World Leader in Rating Technology

2017

ORC Club Certificate Appendix

BOAT

Name **BIG BANG**
Sail Nr **ARG-3410**

Certificate Number **341011**
Issued On **12/01/2017**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1069,5	888,1	785,2	725,5	700,2	687,4	672,0
52°	700,4	588,6	525,0	499,9	488,9	483,4	479,0
60°	660,6	556,3	506,8	486,3	474,7	468,8	463,9
75°	629,6	532,8	494,0	474,6	460,6	449,3	438,1
90°	634,1	531,5	490,5	473,6	458,3	444,3	420,5
110°	636,9	524,0	481,3	458,7	445,9	436,8	420,3
120°	654,7	536,7	487,1	462,0	440,2	422,9	404,6
135°	721,6	586,6	510,6	477,8	455,7	434,5	394,8
150°	851,9	677,1	573,2	508,9	478,6	457,8	418,5
Run VMG	983,6	781,8	661,6	581,0	527,3	490,0	448,0

Selected Courses

Windward / Leeward	1026,6	835,0	723,4	653,3	613,8	588,7	560,0
Circular Random	863,4	695,8	605,7	553,3	521,2	500,4	474,4
Ocean for PCS	1055,8	815,3	679,3	596,2	542,6	505,7	455,9
Non Spinnaker	930,7	742,9	640,0	578,8	540,7	516,0	486,0

Velocity Prediction in Knots for True Wind Speeds

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42,9°	41,5°	41,7°	40,9°	39,6°	39,4°	38,6°
Beat VMG	3,37	4,05	4,58	4,96	5,14	5,24	5,36
52°	5,14	6,12	6,86	7,20	7,36	7,45	7,52
60°	5,45	6,47	7,10	7,40	7,58	7,68	7,76
75°	5,72	6,76	7,29	7,59	7,82	8,01	8,22
90°	5,68	6,77	7,34	7,60	7,86	8,10	8,56
110°	5,65	6,87	7,48	7,85	8,07	8,24	8,56
120°	5,50	6,71	7,39	7,79	8,18	8,51	8,90
135°	4,99	6,14	7,05	7,53	7,90	8,29	9,12
150°	4,23	5,32	6,28	7,07	7,52	7,86	8,60
Run VMG	3,66	4,60	5,44	6,20	6,83	7,35	8,04
Gybe Angles	145,1°	149,4°	150,6°	155,7°	173,4°	180,0°	180,0°